

ABSTRACT

In a catalyst for exhaust gas purification which comprises (a) a NO_x absorbent material which absorbs NO_x in an exhaust gas in an environment of excess oxygen whose exhaust gas oxygen concentration level is high, whereas, when the exhaust gas oxygen concentration level becomes lower in a given temperature range, the NO_x absorbent material releases the absorbed NO_x and (b) a precious metal, the exhaust gas purification catalyst further comprises an oxygen storage material which releases a larger amount of oxygen in the given temperature range in comparison with other temperature ranges. As a result of such arrangement, the NO_x absorption efficiency of the NO_x absorbent material in an environment of excess oxygen of high exhaust gas oxygen concentration level, i.e., the lean NO_x purification rate thereof, can be improved.